

Title (en)

Method for controlling regenerative braking and friction braking

Title (de)

Verfahren zur Steuerung der regenerativen Bremsung und Reibungsbremsung

Title (fr)

Procédé de contrôle de freinage par récupération et freinage à friction

Publication

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Application

EP 08019079 A 20081031

Priority

- US 98522107 P 20071103
- US 26024208 A 20081029

Abstract (en)

A vehicle includes a powertrain system and a friction braking system communicating tractive torque with a driveline, the powertrain system including a torque machine, and an energy storage device connected to the torque machine, said torque machine communicating tractive torque with the driveline. A method for controlling regenerative braking and friction braking includes monitoring a vehicle operating point, determining a braking torque request, determining a regenerative braking motor torque ratio based upon the vehicle operating point wherein the regenerative braking motor torque ratio is non-linearly dependent on the vehicle operating point, and actuating the friction brake based upon the regenerative braking motor torque ratio and the braking torque request.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

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Cited by

FR2981033A1; EP3040233A4; FR3012376A1; FR3009242A1; US9827873B2; WO2013054034A3; WO2015015081A1; US9421870B2; WO2021236411A1

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